

# इंटरनेट

# मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 4555 (1980): Biprong Terminal Device, Draughtsman, for Artificial Limbs [MHD 10: Medical Laboratory Instruments]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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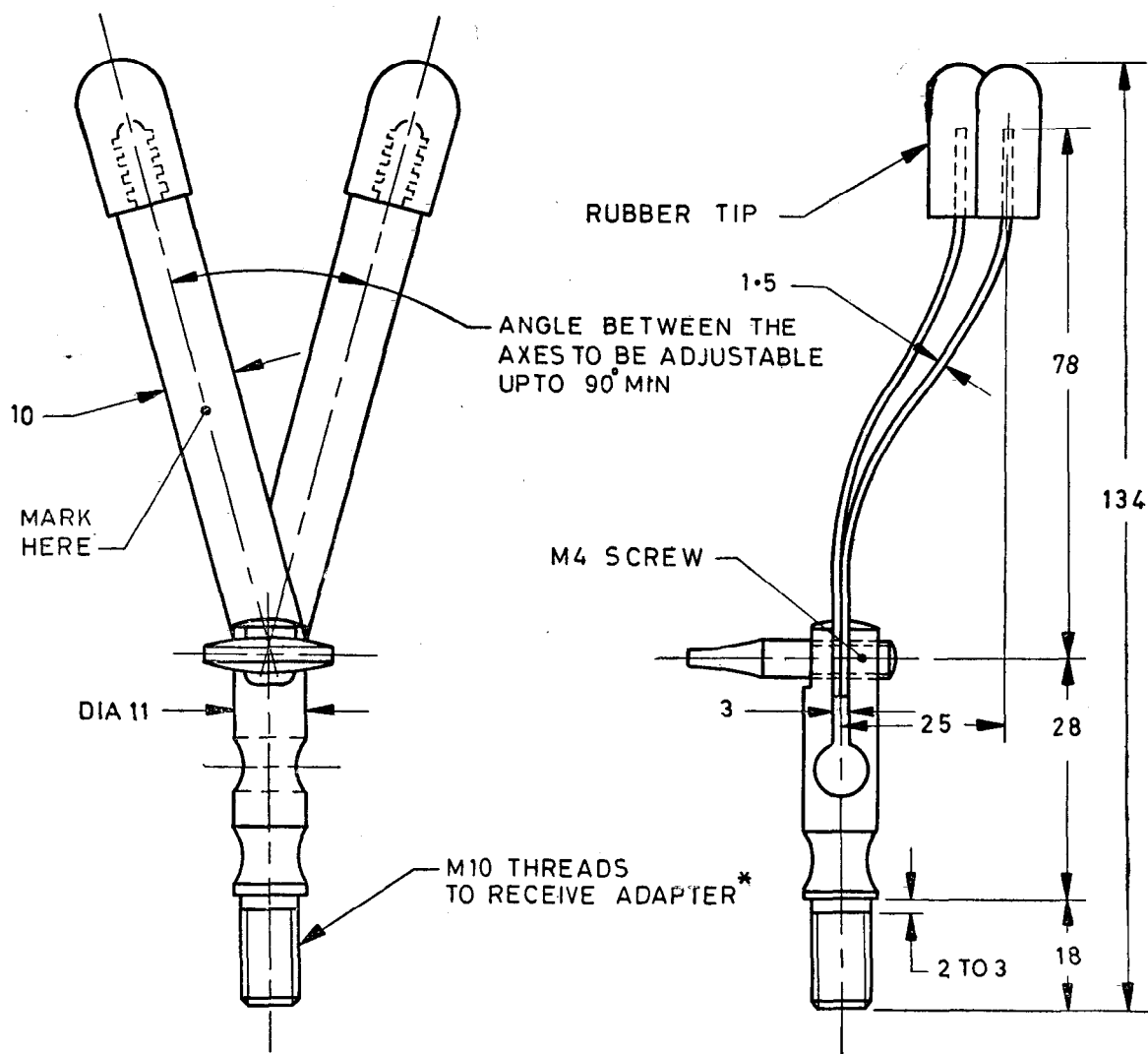


## Indian Standard

SPECIFICATION FOR  
BIPRONG TERMINAL DEVICE, DRAUGHTSMAN,  
FOR ARTIFICIAL LIMBS

( First Revision )

- 1. Scope** — Dimensional and other requirements for draughtsman's biprong terminal device.
- 2. Material** — The various components of the device except the rubber tips shall be manufactured from carbon steel rods conforming to IS : 7283 - 1974 'Specification for hot rolled bars for production of bright bars' and carbon steel sheets conforming to Type O of IS : 513 - 1973 'Specification for cold rolled carbon steel sheets (second revision)'. The tips shall be of vulcanized non-marking rubber conforming to Type B, Grade 4 of IS : 5192-1975 'Specification for vulcanized natural rubber based compounds (first revision)'.
- 3. Shape and Dimensions** — The general shape and dimensions of the device shall be as given in Fig. 1.
- 4. Manufacture, Workmanship and Finish**
- 4.1** The biprong terminal device, except the prongs and rubber tips, shall be manufactured by turning carbon steel bars. The prongs shall be pressed out of carbon steel sheets. The rubber tips shall be securely fitted to the prongs and shall not be easily removed when pulled manually. The appliance shall be free from burrs, pits, cracks, seams, and other surface flaws. All surfaces of the appliance shall be plated chromium over nickel and the plating shall conform to Service Grade 3 of IS : 1068-1968 'Specification for electroplated coatings of nickel and chromium on iron and steel (first revision)'.
- 5. Marking** — The device shall be marked clearly and legibly with the manufacturer's name, initials or recognized trade-mark.
- 5.1 ISI Certification Marking** — Details available with Indian Standards Institution.
- 6. Packing** — The device shall be packed in the manner as agreed between the purchaser and the supplier.



\*See IS : 4534-1980 Specification for adaptor for terminal device for artificial limbs.

All dimensions in millimetres.

FIG. 1 BIPRONG TERMINAL DEVICE, DRAUGHTSMAN FOR ARTIFICIAL LIMBS

## EXPLANATORY NOTE

Terminal devices are working accessories to be fitted into the dress or working arm of an amputee of the upper extremity. These devices aid the amputee to perform some of the normal functions of the hand. This revision incorporates some of the dimensional changes as suggested by Artificial Limbs Centre, Pune.